

**Amendments to the Specification:**

Please replace the Sequence Listing printout and diskette filed on May 12, 2005 with the attached Sequence Listing printout and diskette enclosed herewith.

On page 22, please replace the paragraph starting on line 21 with the following:

An exemplary polypeptide for use in a transcriptional regulatory protein of the invention is the herpes simplex virus virion protein 16, referred to herein as VP16, the amino acid sequence of which is disclosed in Triezenberg, et al., 1988. In one embodiment, amino acids from about 413-489 of the C-terminus of VP16 (~~SEQ ID NO:8~~) are used as the transactivator domain (Sadowski, et al. 1988). In another embodiment, a tetramer of amino acids 437-447 of VP16 (~~SEQ ID NO:9~~) is used as the transactivator domain (Beerli, et al., 1998).

On pages 67-68, please replace the Sequence Listing table with the following:

**SEQUENCE LISTING TABLE**  
(all oligonucleotides shown as single stranded in 5' to 3' direction)

Description	SEQ ID NO
UL9 DNA response element CGTTCGCACTT (11 bp)	1
GAL4 DNA response element CGGAGTACTGTCTCCG (17 bp)	2
ZFHD1 DNA response element TAATTANGGGNG (12 bp)	3
NF-KB p65 Genbank Accession Number HUM65NFKB	4
tetO DNA response element TCCCTATCAGTGATAGAGA (19 bp)	5
lacO DNA response element CTTAACACTCG:CGAGTGTAAAG (22 bp)	6
Ecdysone receptor RG(GT)TCANTGA(CA)CY (15 bp)	7
VP16: aa 413-489 + no sequence shown TAPITDVSLCDELRLDGEEDMTTPADALDDFDLEMLCDVESPSPCMTHTDPVSYG ALDVFDFEFEQMFTDALCIDDFG	8
VP64: tetramer of aa 437-447 of VP16 + no sequence shown ADALDDFDLEMAADALDDFDLEMAADALDDFDLEMAADALDDFDLEM	9
KRAB: aa 1-97 reference or sequence	10
Mad: aa 1-36 reference or sequence	11
Sequence of <i>rrnB</i> P1 promoter: from -66 to +50 CGCGGTCAGAAAATTATTTTAAATTTCTCTTGTCAGGCCGGAATAACTCCCTATAATGCG CCACCACTGACACGGAACAACGGCAAACACGCCGCCGGGTCAGCGGGGTTCTCCT	12
<i>rrnB</i> P1 promoter UP element AGAAAATTATTTTAAATTTCTCT	13
RLG3097 (core) GACTGCAGTGGTACCTAGGAGG	14
RLG3074 (WILD TYPE) AG(AAAATTATTTTAAATTT)CCT	15
RLG4192 GG(AAAATTTTTTTTCAAAA)GTA	16
RLG4174 TG(AAATTTATTTT)GCGAAAGGG	17
modified UL-9 DNA response sequence TGTTCGCACTT	18
modified UL-9 DNA response sequence (YK 202LX, 52-mer) CATGGACG CCACTG AGCCGtttt TGTTCGCACTT GAGGCGAGTCGATGCACC	19
modified UL-9 DNA response sequence (YK 202RX-A, 54-mer) CATGGACG CCACTG AGCCG TGTTCGCACTT ttttttGAGGCGAGTCGATGCACC	20
modified UL-9 DNA response sequence (YK 202RX, 58-mer) CATGGACG CCACTG AGCCGTTTT TGTTCGCACTT ttttttGAGGCGAGTCGATGCACC	21
MEF C(TTAAAAATAA)C	22
780BP (TTGAAAAATCAA)CGCT	23
UL9 (modified) (ttttTGTT)CGCAC(TTttttttt)	24
NFKB (modified) (tttttGGG[AtTTT)Ccttttt]	25
LacO (modified) (aaaaAATT)GTGAGCGCTCAC(AATTtttt)	26
NtBBF1 (plant tissue-specific transcription factor) ACTTTA	27
DRE (plant element identified in the promoter region of the <i>rd29A</i> gene associated with dehydration and cold-induced gene expression) TACCGACAT	28
NF-kB DNA response sequence from Igk promoter: GGGACTTTCC	29
NF-kB DNA response sequence from IL-6 promoter: GGGATTTTCC	30

JF101 (NFKB1) (50mer) (right side) cgac cgtgctcgag TTAACGGGACTTTCCAAaaa cgatcg gact ggactc	31
JF 102 (NFKB2)(60mer)(right side) cgac cgtgctcgag TTAACGGGAtTTTCCAAaaa cgatcg gact ggactc	32
JF 103 (NFKB3)(60mer) (both sides) cgac cgtgctcgag aaattGGGAtTTTCCAAaaa cgatcg gact ggactc	33
LacI aaaaAATTGTGAGCGCTCACAATTtttt	34
LacI ttttttTTGTGAGCGGATAACAAaa	35
Cyclin D1 -30-21 TCTGGGATCC	36
Cyclin D1 10bp 21x GAGTTTTTTTTTAAG	37
Cyclin D1 8bp 21x GAGTTTAAAAGAG	38
NFKB p50 Genbank Accession Number HUMNFKB34	39

Description	SEQ ID NO
NFKB pMC3 (NheI to BglI) GCTAGCCCCGCCCCGTTGACGCAAATGGGCGGTAGGCGTGTACGGTGGGAGGTTTATATAA GCAGAGCTCGTTTAGTGAACCGTCAGATCAGATCT	40
NFKB 2MC5 (NheI to BglI) GCTAGCGCCCAAATTGGGATTTTCCAAAAAGCCGAAATTGGGATTTTCCAAAAACCGCCGA TCGCCCCGCCCCGTTGACGCAAATGGGCGGTAGGCGTGTACGGTGGGAGGTTTATATAAGCA GAGCTCGTTTAGTGAACCGTCAGATCAGATCT	41
NFKB 4MC1 (MluII to BglI) ACGCGTGCCCAAATTGGGATTTTCCAAAAAGCCGAAATTGGGATTTTCCAAAAACCGCGCT AGCGCCCAAATTGGGATTTTCCAAAAAGCCGAAATTGGGATTTTCCAAAAACCGCCGATCG CCCGCCCCGTTGACGCAAATGGGCGGTAGGCGTGTACGGTGGGAGGTTTATATAAGCAGAG CTCGTTTAGTGAACCGTCAGATCAGATCT	42
NFKB BKMC1 (NheI to BglI) GCTAGCCCCGCCCCGTTGACGCAAATGGGCGGTAGGCGTGTACGGTGGGAGGTTTATATAA GCAGAGCTCGTTTAGTGAACCGTCAGATCAGATCT	43
NFKB BK2MC5 (NheI to BglI) GCTAGCGCCCAGGTCGGGATTTTCCGAGGAGCCGAGGTCGGGATTTTCCGAGGACCGCCGA TCGCCCCGCCCCGTTGACGCAAATGGGCGGTAGGCGTGTACGGTGGGAGGCTTATATAAGCA GAGCTCGTTTAGTGAACCGTCAGATCAGATCT	44
BK2MC12 (NheI to BglI) GCTAGCGCCCAGGTCGGGATTTTCCGAGGAGCCGAGGTCGGGATTTTCCGAGGACCGCCGA TCGCCCCGCCCCGTTGACGCAAATGGGCGGTAGGCGTGTACGGTGGGAGGCTTATATAAGCA GAGCTCGTTTAGTGAACCGTCAGATCAGATCT	45
NFKB SWCMV	46
NFKB MTCMV	47
NFKB BKCMV	48
HBV core proximal, HNF3-2 binding site (GACTGTTTGTTT)	49
HBV core HNF4 binding site (AGGACTCTTGA)	50
HBV core WT TACTAGGAGGCTGTAGGCATAAAATTGGTCTGCGCACCAGCACCATG	51
HBV core TATA21xR TACTAGGAGGCTGTAGGCATAAAATTAGTCTGCGCACCAGCACCATG	52
HBV core TATAmut	53

(TACTAGGATTAGTGCTTAAGCCCTTGGTCTGCGCACCAGCACCATG)	
HBV core 3'TATAmut (TACTAGGAGGCTGTAGGCATAAAGCTCGAGTATACAACGCACCATG)	54
HBV core TATARds1 TACTAGGAGGCTGTAGGCATAAATGCGTAAAAGCACCAGCACCATGCAAC	55
HBV core TATARds2 TACTAGGAGGCTGTAGGCATAAATTAAAAACGCACCAGCACCATGCAAC	56
HBV core TATARds3 TACTAGGAGGCTGTAGGCATAAATTAATCCGCGCACCAGCACCATGCAAC	57
HNF3Rds1 ACCTTGAGGCATACTTCAAAGACTGTTGATTTAGCGAATAAGAGGAGTTGG	58
HNF3Rds2 ACCTTGAGGCATACTTCAAAGACTGTTTATTTTAATAACGGGAGGAGTTGG	59
HNF3Rds3 ACCTTGAGGCATACTTCAAAGACTGTTTATTTAAGGACTGGGAGGAGTTGG	60
pACTULVP activator construct-Figs 14A/B	61
pACT ULKRAB repressor construct-Figs 15A/B	62
<del>Herpes simplex virus type 2 VP16 gene Genbank Accession Number M57289 TAPITDVSLCDELRLDCEEVDMTTPADALDDFDLEMLGDVESPSPCMTHDPVSYGALDVDDF EFEQMFTDALCIDDFG</del>	<del>63</del>
<del>Herpes simplex virus type 2 VP16 gene Genbank Accession Number M57289 ADALDDFDLEMA DALDDFDLEMA DALDDFDLEMA DALDDFDLEMA</del>	<del>64</del>